

City of Sunnyvale
Ten Year Project Costs
by Project Category and Type

Project Number	Project Name	Prior Years Actual	Revised Budget 2004-05	Plan 2005-06	Plan 2006-07	Plan 2007-08	Plan 2008-09	Plan 2009-10	Plan 2010-11	Plan 2011-12	Plan 2012-13	Plan 2013-14	Plan 2014-15	Ten Year Plan Total	Project Grand Total
Category: Special Type: Solid Waste															
811250	SMaRT Station Equipment Replacement	902,517	800,871	3,218,500	2,149,925	708,117	1,608,703	36,010	831,866	762,705	516,149	1,115,963	723,818	11,671,756	13,375,144
821170	SMaRT Station Operations Contract RFP	105,776	0	156,060	0	0	0	0	0	0	179,264	0	0	335,324	441,100
821180	Contribution to SMaRT Station Operations Contract RFP	50,187	0	75,765	0	0	0	0	0	0	70,694	0	0	146,459	196,646
822330	Trim Landfill Screening Trees on Caribbean Drive	34,419	0	35,000	0	0	37,142	0	0	39,416	0	0	41,828	153,386	187,805
824250	Landfill Gas System Response to New Federal Regulations	0	50,000	0	0	0	0	0	0	0	0	0	0	0	50,000
824260	Solid Waste Cost of Service Study	0	0	0	40,800	0	0	0	0	45,046	0	0	0	85,846	85,846
824740	Landfill Constituents of Concern Monitoring	0	42,917	0	0	0	0	45,995	0	0	0	0	50,782	96,777	139,694
Total		1,092,899	893,788	3,485,325	2,190,725	708,117	1,645,845	82,005	831,866	847,167	766,107	1,115,963	816,428	12,489,548	14,476,235

Note: Projects with \$0 Grand Total have budgets in the second ten years of the Twenty Year Plan.

Project Information Sheet

Project: 811250 SMaRT Station Equipment Replacement

Category:	Special	Type:	Solid Waste	Department:	Public Works
Origination Year:	1995-96	Phase:	Ongoing	Project Manager:	Richard Gurney
Planned Completion Year:	Ongoing	% Complete:	n/a	Project Coordinator:	Gail Bentley
Origin:	Staff			Interdependencies:	none
Element:	3 Environmental Management	Goal:	3.2A	Fund:	490 SMaRT Station
Sub-Element:	3.2 Solid Waste Management	Neighborhood:	City Wide	Sub-Fund:	200 SMaRT Station Equipment Replacement

Project Description and Statement of Need

This project replaces and maintains City-owned equipment and facilities at the Sunnyvale Materials Recovery and Transfer (SMaRT) Station. It is funded by payments to the replacement reserve made by Sunnyvale, Palo Alto and Mountain View, which pay 55.28%, 21.27% and 23.45% of the total costs, respectively. A separate capital project, 801350, represents Sunnyvale's contribution to this fund. The replacement schedule and costs are updated annually to reflect anticipated expenses, based on the City's experience since the facility opened in 1993.

Service Level

no service level effect

Issues

Costs have increased due to major equipment replacement needs. Equipment is showing excessive wear and fatigue resulting in more frequent facility downtime for maintenance and replacement of worn components. In some cases, proprietary developed equipment items require expensive upgrades or repair parts which are not available. Efficiencies provided by updated equipment will allow a staff reduction of 6 sorters. This will save \$146,000 per year in Fund 490-100 operating costs beginning in January 2008.

Project Financial Summary

Financial Data	Prior Actual	Budget 2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	10 Year Budget	Grand Total
Project Costs	902,517	800,871	3,218,500	2,149,925	708,117	1,608,703	36,010	831,866	762,705	516,149	1,115,963	723,818	11,671,756	13,375,144
Revenues														
Total	37,398	0	0	0	0	0	0	0	0	0	0	0	0	37,398
Transfers-In														
Fund Reserves		800,871	3,218,500	2,149,925	708,117	1,608,703	36,010	831,866	762,705	516,149	1,115,963	723,818	11,671,756	
Total	865,119	800,871	3,218,500	2,149,925	708,117	1,608,703	36,010	831,866	762,705	516,149	1,115,963	723,818	11,671,756	13,337,746
Operating Costs	0	0	0	0	-77,461	-159,569	-164,356	-169,287	-174,365	-179,596	-184,984	-190,534	-1,300,152	-1,300,152

Project Information Sheet

Project: 821170 SMaRT Station Operations Contract RFP

Category:	Special	Type:	Solid Waste	Department:	Public Works
Origination Year:	1999-00	Phase:	Ongoing	Project Manager:	Mark Bowers
Planned Completion Year:	Ongoing	% Complete:	n/a	Project Coordinator:	Gail Bentley
Origin:	Staff			Interdependencies:	Finance
Element:	3 Environmental Management	Goal:	3.2D	Fund:	490 SMaRT Station
Sub-Element:	3.2 Solid Waste Management	Neighborhood:	City Wide	Sub-Fund:	100 SMaRT Station Operating

Project Description and Statement of Need

This project funds development, issuance, and evaluation of a Request for Proposals (RFP) to operate the City's Sunnyvale Materials Recovery and Transfer (SMaRT) Station. The contractor, Green Team/Zanker, will operate the facility through December 31, 2007, when the contract is scheduled to expire. The proposed budget assumes that toward the end of this contract there will be another RFP process beginning in FY 2005/2006. The SMaRT Station Operations Fund, 490/100, will be reimbursed for the full cost of the project by Sunnyvale, Palo Alto, and Mountain View, based on their proportions of solid waste delivered to the SMaRT Station in the year the expenditures occur. A separate project, 821180, reflects Sunnyvale's contribution to this fund.

Service Level

no service level effect

Issues

none

Project Financial Summary

Financial Data	Prior Actual	Budget 2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	10 Year Budget	Grand Total
Project Costs	105,776	0	156,060	0	0	0	0	0	0	179,264	0	0	335,324	441,100
Revenues														
SMaRT Operations Cost Reimb		0	43,452	0	0	0	0	0	0	49,913	0	0	93,365	
Mountain View														
SMaRT Operations Cost Reimb		0	36,843	0	0	0	0	0	0	42,320	0	0	79,163	
Palo Alto														
SMaRT Operations Cost Reimb		0	75,765	0	0	0	0	0	0	87,031	0	0	162,796	
Sunnyvale														
Total	105,776	0	156,060	0	0	0	0	0	0	179,264	0	0	335,324	441,100
Transfers-In														
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Operating Costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Project Information Sheet

Project: 821180 Contribution to SMaRT Station Operations Contract RFP

Category:	Special	Type:	Solid Waste	Department:	Public Works
Origination Year:	1999-00	Phase:	Ongoing	Project Manager:	Mark Bowers
Planned Completion Year:	Ongoing	% Complete:	n/a	Project Coordinator:	Gail Bentley
Origin:	Staff			Interdependencies:	none
Element:	3 Environmental Management	Goal:	3.2D	Fund:	455 Utilities
Sub-Element:	3.2 Solid Waste Management	Neighborhood:	City Wide	Sub-Fund:	200 Solid Waste Management

Project Description and Statement of Need

Project 821170, Sunnyvale Materials Recovery and Transfer (SMaRT) Station Operations Contract Request for Proposals (RFP), funds development, issuance, and evaluation of a RFP to operate the City's SMaRT Station. This project (821180) captures Sunnyvale's contribution to the SMaRT Station Operations Fund, 490/100, for its share of the RFP project expenses. The contractor, Green Team/Zanker, will operate the facility through December 31, 2007, when the contract is scheduled to expire. The proposed budget in this project assumes that there will be another RFP process, beginning in FY 2005/2006 and every 7 years thereafter. The SMaRT Station Operations Fund, 490/100, will be reimbursed for the full cost of this project by Sunnyvale, Palo Alto, and Mountain View, based on their proportions of solid waste delivered to the SMaRT Station in the year the expenditures occur. Project 821170 reflects the total contribution by the three cities to this fund.

Palo Alto currently plans to increase its share of solid waste delivered to SMaRT in 2010/2011. The net effect of this increase is a decrease in Sunnyvale's operations share and, therefore, a decrease in this project's costs.

Service Level

no service level effect

Issues

none

Project Financial Summary

Financial Data	Prior Actual	Budget 2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	10 Year Budget	Grand Total
Project Costs	50,187	0	75,765	0	0	0	0	0	0	70,694	0	0	146,459	196,646
Revenues														
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transfers-In														
Fund Reserves		0	75,765	0	0	0	0	0	0	70,694	0	0	146,459	
Total	50,187	0	75,765	0	0	0	0	0	0	70,694	0	0	146,459	196,646
Operating Costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Project Information Sheet

Project: 822330 Trim Landfill Screening Trees on Caribbean Drive

Category:	Special	Type:	Solid Waste	Department:	Public Works
Origination Year:	2001-02	Phase:	Ongoing	Project Manager:	Mark Bowers
Planned Completion Year:	Ongoing	% Complete:	n/a	Project Coordinator:	Gail Bentley
Origin:	Staff			Interdependencies:	none
Element:	3 Environmental Management	Goal:	3.2H	Fund:	455 Utilities
Sub-Element:	3.2 Solid Waste Management	Neighborhood:	Lakewood	Sub-Fund:	200 Solid Waste Management

Project Description and Statement of Need

The south side of the Sunnyvale Landfill is screened by a row of eucalyptus trees that runs for over one mile along the north side of Caribbean Drive. These trees were last pruned as part of a capital improvement project in 2002 and are now due for a major pruning in 05/06. These species of trees requires pruning at three-year intervals.

Service Level

no service level effect

Issues

none

Project Financial Summary

Financial Data	Prior Actual	Budget 2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	10 Year Budget	Grand Total
Project Costs	34,419	0	35,000	0	0	37,142	0	0	39,416	0	0	41,828	153,386	187,805
Revenues														
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transfers-In														
Fund Reserves		0	35,000	0	0	37,142	0	0	39,416	0	0	41,828	153,386	
Total	34,419	0	35,000	0	0	37,142	0	0	39,416	0	0	41,828	153,386	187,805
Operating Costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Project Information Sheet

Project: 824250 Landfill Gas System Response to New Federal Regulations

Category:	Special	Type:	Solid Waste	Department:	Public Works
Origination Year:	2003-04	Phase:	Planning	Project Manager:	Mark Bowers
Planned Completion Year:	2014-15	% Complete:	10	Project Coordinator:	Gail Bentley
Origin:	Staff			Interdependencies:	none
Element:	3 Environmental Management	Goal:	3.2H	Fund:	455 Utilities
Sub-Element:	3.2 Solid Waste Management	Neighborhood:	City Wide	Sub-Fund:	200 Solid Waste Management

Project Description and Statement of Need

New regulations pertaining to the Sunnyvale Landfill (Bay Area Air Quality Management District (BAAQMD) Regulation 8, Rule 34 [8-34]) became effective on July 1, 2002. The landfill has also recently been required (by the BAAQMD) to prepare a Title V (Major Facility Review) permit application. Significant consultant and equipment costs are involved in preparing and submitting the Title V permit application and in complying with the new requirements of both 8-34 and Title V. Additional instrumentation is required to monitor and record gas utilization aspects of the Power Generation Facility and Landfill Gas Flare operations. Test and repair equipment and supplies will need to be purchased to bring landfill gas field operations up to the new, more rigorous standards of the new regulations. Consultant work associated with the initial permit application will include inspections to identify existing emission sources and to obtain other pertinent information, completion of emission estimates for the sources, development of a final list of applicable regulatory requirements, evaluation of the facility's compliance status with each applicable air quality regulatory requirement, and if there are areas of non-compliance, development of a compliance plan. An emissions monitoring program complying with the Compliance Assurance Monitoring (CAM) requirements (Title V) will be prepared, and associated monitoring reports and plans will be developed, as necessary, to comply with CAM requirements. A compliance certification will have to be prepared and signed by the City's designated responsible official.

The FY 2004/05 budget of \$50,000 will be used to prepare and implement the permit requirements. A \$7,000 cost will be added to the FY 2005/2006 operating budget to fund the ongoing activities related to this project.

Service Level

none

Issues

Significant effort will be needed to comply with the new requirements that will be associated with the forthcoming Title V permit (Major Facility Review) and which will likely require annual flare source testing. The additional testing is expected to be far more extensive than what is currently required. It will likely include non-methane organic compounds (NMOC) destruction efficiency, nitrogen oxides (NOx), carbon monoxide (CO), and possibly PM10 (particulates < 10 microns in size). Costs are anticipated to be \$7000 annually.

Project Financial Summary

Financial Data	Prior Actual	Budget 2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	10 Year Budget	Grand Total
Project Costs	0	50,000	0	0	0	0	0	0	0	0	0	0	0	50,000
Revenues														
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transfers-In														
Fund Reserves		50,000	0	0	0	0	0	0	0	0	0	0	0	
Total	0	50,000	0	0	0	0	0	0	0	0	0	0	0	50,000
Operating Costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Project Information Sheet

Project: 824260 Solid Waste Cost of Service Study

Category:	Special	Type:	Solid Waste	Department:	Public Works
Origination Year:	2005-06	Phase:	Ongoing	Project Manager:	Mark Bowers
Planned Completion Year:	Ongoing	% Complete:	n/a	Project Coordinator:	Tim Kirby
Origin:	Staff			Interdependencies:	Finance
Element:	3 Environmental Management	Goal:	3.2F	Fund:	455 Utilities
Sub-Element:	3.2 Solid Waste Management	Neighborhood:	City Wide	Sub-Fund:	200 Solid Waste Management

Project Description and Statement of Need

Every three to five years, the Solid Waste Division in the Department of Public Works performs a cost of service study on the solid waste system to reallocate the costs of the City's solid waste services among the various customer classes, based on their use of each service. Typically, staff works with a consultant to develop a cost of service model or update an existing model with current data. The study generates a cost of service for each customer class and recommends adjustments to the rate structure to ensure costs are recovered on an equitable basis from the different customer classes.

Service Level

Cost of service study will promote rate equity among refuse collection customers and provide the City with rate revenues that reflect actual costs.

Issues

none

Project Financial Summary

Financial Data	Prior Actual	Budget 2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	10 Year Budget	Grand Total
Project Costs	0	0	0	40,800	0	0	0	0	45,046	0	0	0	85,846	85,846
Revenues														
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transfers-In														
Fund Reserves		0	0	40,800	0	0	0	0	45,046	0	0	0	85,846	
Total	0	0	0	40,800	0	0	0	0	45,046	0	0	0	85,846	85,846
Operating Costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Project Information Sheet

Project: 824740 Landfill Constituents of Concern Monitoring

Category:	Special	Type:	Solid Waste	Department:	Public Works
Origination Year:	2003-04	Phase:	Planning	Project Manager:	Mark Bowers
Planned Completion Year:	Ongoing	% Complete:	n/a	Project Coordinator:	none
Origin:	Staff			Interdependencies:	none
Element:	3 Environmental Management	Goal:	3.2D	Fund:	455 Utilities
Sub-Element:	3.2 Solid Waste Management	Neighborhood:	City Wide	Sub-Fund:	200 Solid Waste Management

Project Description and Statement of Need

The Regional Water Quality Control Board enforces regulations that require the City to routinely monitor the groundwater, surface water, and leachate in and around the closed Sunnyvale Landfill. The regulations require extra sampling and analysis for "Constituents of Concern" once every five years. This sampling and analysis requires significant additional expense.

Service Level

none

Issues

This project is intended to isolate infrequent, but costly, Constituents of Concern sampling and analysis costs from the operating program budget.

Project Financial Summary

Financial Data	Prior Actual	Budget 2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	10 Year Budget	Grand Total
Project Costs	0	42,917	0	0	0	0	45,995	0	0	0	0	50,782	96,777	139,694
Revenues														
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transfers-In														
Fund Reserves		42,917	0	0	0	0	45,995	0	0	0	0	50,782	96,777	
Total	0	42,917	0	0	0	0	45,995	0	0	0	0	50,782	96,777	139,694
Operating Costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0